

Under Review Notification

Raised By: M. BELLAVANCE

Product #: D117-837-011

Date: 13.10.31

Product Name: HELI-UTILITY-BASKET

Part Number	Drawing/Document	"Y" or "N" Required								Instructions
		HOLD SHIPMENT	Red Tag/Quarantine Stock	Advise customers	Stop Production	Re-Work Stock	IPP Under Review	Blue File Under Review	ECN # Required	
D4794-1	D4791 REV. A	Y	Y	Y	Y	Y	Y	Y	13-670	Quarantine D4794-1 in stock. No rework.

Description of issue:
 See attached NCR13-3184.

D4794-1 must be redesign. This is a critical part therefore shipment and WIP are affected by this change.

Distribution:

General Manager	Chief Engineer
Production Manager	Engineering Project Managers
Director Quality Assurance	Engineering Clerk
Design Manager	Marketing

Non-Conformance Report

Printed on:

Thursday, October 31, 2013

Details			
Raised Date 10/31/2013	Status Open	Owner Petsche, Mike	Number NCR13-3184
Target Date 11/4/2013	Standard		Severity
Process Customer Feedback		Audit	
Raised By Person Great Slave Helicopters	Raised Against (Department or Supplier) Engineering\Design		Fault Category
Details Customer reports failure of D4794-1 Strut with less than 50 hours in service. According to them, the previous brackets were thin enough so i could add a slight twist to them and make everything work, the new thicker brackets will require a more accurate strut rod to be manufactured.			
Product 412-814\D117-837			
Document		Root Cause	
Closed By	Closed Date	Resolution	

Corrective Action			
Target Date 11/3/2013	Owner	Closed Date	Closed By
Details			

Actions			
Number	Owner	Target Date	Completed Date
Details		Response	
1	Bellavance, Marc	11/1/2013	
Put drawing D4794 under review. Affects D177-837-011/-012 Heli-Utility-Baskets.			
2	Siemens, Harvey	11/29/2013	
Revise design of D4794-1.			
3	Bellavance, Marc	11/29/2013	
Provide no charge replacement D4794-1 to customer.			

4	Siemens, Harvey	11/29/2013	
Release D4794 dwg on ECN.			

Verification & Review

Target Date	Owner	Closed Date	Closed By
11/4/2013			

Details

Actions

Number	Owner	Target Date	Completed Date
Details		Response	

Marc Bellavance

From: Harvey Siemens
Sent: Wednesday, October 30, 2013 4:49 PM
To: Marc Bellavance
Subject: FW: basket strut P/N D4794-1
Attachments: basket strut.jpg

Marc

Here's an incident for you on the D117-837 Basket. The strut broke. See photo.

The aircraft might be coming to Eagle and if it does we will need to look at the strut more closely so that we can adjust the angle of the end crimp so that connecting it to the brackets doesn't stress it.

Let me know if you need more info.

Regards,

Harvey

From: Marc Bilodeau [<mailto:mbilodeau@gsheli.com>]
Sent: October-30-13 11:23 AM
To: Harvey Siemens
Subject: FW: basket strut P/N D4794-1

I will give you a call momentarily

Marc Bilodeau
Production Manager
Great Slave Helicopters Ltd.
Ph: (403)286-2040
Cell: (403)809-8140
mbilodeau@gsheli.com
www.gsheli.com

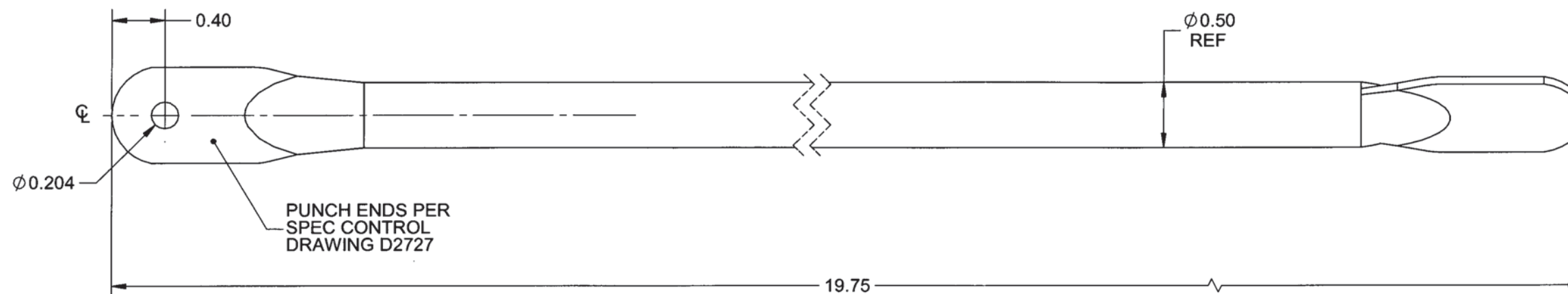


From: Joel Pohl
Sent: Wednesday, October 30, 2013 11:17 AM
To: Marc Bilodeau
Subject: basket strut P/N D4794-1

Hey Marc, here is a picture of the basket strut crack. I noticed when I put the strut on originally that the twist did not line up with the brackets. The previous brackets were thin enough so i could add a slight twist to them and make everything work, the new thicker brackets will require a more accurate strut rod to be manufactured, we bolted up the basket and strut rod to take this picture so you could show Harvey the twist difference. Again, this is with less than 50 hrs of flight time on the strut, DART P/N 4794-1.

joel





D4794-1 STRUT

PER NCR13-3184

REDESIGN MB

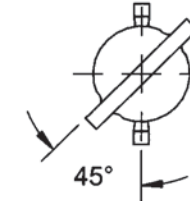
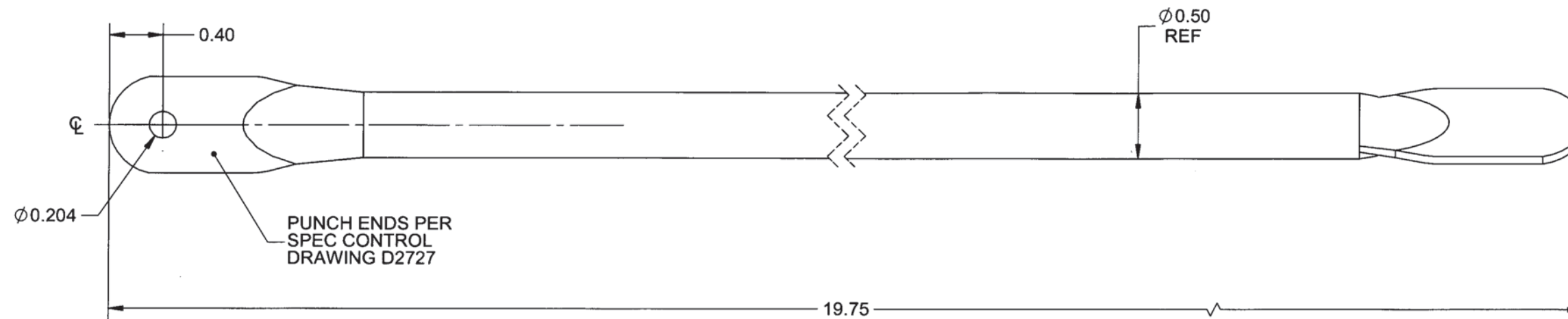
UNDER REVIEW

RELEASED
2013-06-20

NOTES:

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SEAMLESS ROUND TUBING
PER ASTM A213 OR ASME SA213 OR ASTM S269
REF DART SPEC M304TR0.500W.049
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 0.30 lbs

A	NEW ISSUE	RF	13.05.24
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	PC	DRAWING NO.	REV. A
MFG. APPR.	DS	D4794	SHEET 1 OF 2
APPROVED	TH	TITLE	SCALE
DE APPR.	TH	STRUT	NTS
DATE	13.05.24	<small>COPYRIGHT © 2013 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	



D4794-2 STRUT

NOTES:

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SEAMLESS ROUND TUBING
PER ASTM A213 OR ASME SA213 OR ASTM S269
REF DART SPEC M304TR0.500W.049
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 0.30 lbs

UNDER REVIEW

RELEASED
2013-06-20

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	<i>DC</i>	DRAWING NO. D4794	REV. A
MFG. APPR.	<i>[Signature]</i>		SHEET 2 OF 2
APPROVED	<i>[Signature]</i>	TITLE STRUT	SCALE NTS
DE APPR.	<i>[Signature]</i>		
DATE	13.05.24	<small>COPYRIGHT © 2013 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	